## EUROPEAN PATENT OF. ICE

## Patent Abstracts of Japan

PUBLICATION NUMBER

02256856

PUBLICATION DATE

17-10-90

APPLICATION DATE

28-03-89

APPLICATION NUMBER

01077725

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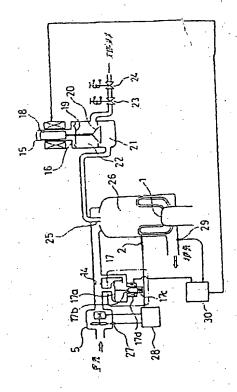
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TITLE

HEATING DEVICE FOR EXTERNAL

COMBUSTION ENGINE



ABSTRACT :

PURPOSE: To carry out a good performance of combustion at a specified excess air factor in compliance with the rate of air blow by conducting the control on the basis of the wind amount sensing output and the temp. sensing output so that the ratio of the amount of fuel supply to the rate of air blow.

CONSTITUTION: The rate of air blow Qa is proportionate to the difference of the pressure Pc in a combustion chamber 26 from the atmospheric pressure Po. This provides measurability for the pressure Pc in the combustion chamber with respect to the rate of air blow Qa in compliance with a temp. signal given by a temp. sensor 29, which represents the gas temp. in the combustion chamber 26, to give information about the electrical amount to be fed to an electronically controlled gas proportioned valve 15 for obtaining the rate of fuel flow in accordance with the rate of air blow Q. In this manner the rate of air blow to the combustion chamber 26 and the temp. representative for the chamber are sensed, and on the basis of outputs therefrom an electrical amount is fed which shall be corresponding to the proportioned valve 15 with governor function used for supplying the fuel, and thus the excess air factor is adjusted.

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